

#### **Fourth Law of Thermodynamics:**

**Quantum energy can flow from the Quantum field to the physical field, but not the reverse.**

Proposed by Gary W. Tripp on July 28, 2017

We assume that, even at the Quantum level, the Law of Conservation of Energy / the First Law of Thermodynamics applies.

All work diminishes the superior energy store and increases the lesser energy store.

Quantum forces of electromagnetism, gravity, the Weak Nuclear, and the Strong Nuclear forces perform work and transfer energy from the quantum field to the physical field.

Let's start with something we all agree upon: An object at rest or in motion will stay at rest or in motion unless acted upon by a force. A force performs work to change the state of an object.

When gravity changes the path of a meteor, it performs work.

When Sun light (electromagnetism), heats the earth or strikes a solar panel, it performs work. To do this work the Sun light transfers energy to earth or the solar panel.

When the Weak Nuclear Force releases particles which strike other objects as radiation, it performs work. For example X-ray flim

Magnetism performs work when it attracts or repels objects. That work is the transfer of energy from the quantum field to the physical field.

In none of these cases is the transfer of energy reversible.

Transfer of energy from the Quantum magnetic field to the physical field is masked by the disproportional size relationship. When the ratio is 100 million or 100 billion to 1, it is possible to measure the increase in energy in the physical store but it is not currently possible to measure the decrease in the quantum field.

We just don't have meters to measure the transfer of energy and ratios are so large that it appears the energy is appearing magically out of nowhere.

Eventually, the Sun will burn out and go dark, over a 1000 years magnet will lose their magnetic properties, and that over varying time periods of time radioactive minerals will become just inert rock. This energy does not just disappear, it is transferred from the quantum field or to the physical field.

The transfer of energy from the Quantum field to the physical field takes many forms.

**Quote:** *Physics has a history of synthesizing many phenomena into a few theories.* – Feynman

What I have called my proposed Law is really just my hypothesis which will be tested over time before it can be considered a Law

Copyright © 2017 by Gary W. Tripp     [Gary@InfinitySAV.us](mailto:Gary@InfinitySAV.us)     1-206-383-2245

**Tags:** #physics, #renewableenergy, #alternativeenergy, #climatechange, #thermodynamics, #FourthLaw

**Published:**

August 15, 2017 <https://www.linkedin.com/pulse/fourth-law-thermodynamics-gary-tripp?published=t>

August 16, 2017 Infinity SAV Twitter

August 16, 2017 Infinity SAV Facebook

August 16, 2017 <http://www.futureentech.com/2017/08/fourth-law-of-thermodynamics.html>

**Footnote:**

<http://www.infinitysav.us/> believes it's generator is transferring energy from the Quantum mechanical spin of electrons to physical motion, and then to electricity.

**Discussion:**

<https://www.physicsforums.com/threads/fourth-law-of-thermodynamics.923843/>

---

Examples of Quantum energy impacting the Physical world - GWT note 10/30/17

Question do quantum structures possess energy and can the energy be transferred to the Physical world?

The answer is yes and here are some examples:

X-ray film

Digital watch

Atomic energy

Sun light

Solar cells

Light from Light bulbs

Tides, which are caused by the magnetic attraction of the Sun and the rotation of the Earth, and

Permanent magnets.

??

If the energy is transferred from the Quantum field to the Physical World and does work (see examples above), then it is reasonable to conclude that magnets can transfer energy from the quantum field to the physical world and do work.